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AGRICULTURAL CHEMICAL USE IN WISCONSIN, 2002

This publication presents data from surveys funded by the USDA Pesticide Data Program. The purpose of this program is to provide reliable pesticide use statistics and enhance the quality of information on pesticide residues in food.

SURVEY PROCEDURES

A sample of vegetable operations was selected from the Wisconsin Agricultural Statistics Service (WASS) list of farmers. Both farmers and custom operators were interviewed in the fall of 2002 to gather information on chemicals used on their vegetable crops, as well as application rates.

Planted Acres and Percent of Acres Treated with Agricultural Chemicals, by Crop, Wisconsin, 2002

Crop	Acres planted	Area receiving applications			
		Herbicides	Insecticides	Fungicides	Other
	1,000	Percent			
Cabbage					
Fresh Market 1/ 2/	4,600	10	99		
Carrots	4,800	99	97		97
Cucumbers 1/	5,800	72	24		23
Green Peas 2/	42,100	91	11		
Snap Beans	79,800	91	83		42
Sweet Corn					
Fresh Market 1/ 2/	8,500	78	63		
Processing 2/	92,100	95	85		6

1/Total insecticides applied excludes Bt's (Bacillus thuringiensis) and other biologicals. Quantities are not available because amounts of active ingredient are not comparable between products. 2/Insufficient reports to publish data for one or more of the pesticide classes. Source: Wisconsin Agricultural Statistics Service.



Major Chemical Use on Sweet Corn for Processing Wisconsin, 2002 1/

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000Lbs
Herbicides:				
2,4-D	6	1.0	0.44	2.5
Alachlor (Lasso)	26	1.0	1.67	40.4
Atrazine (AAtrex)	68	1.0	0.71	47.8
Bentazon (Basagran, Laddok)	2	1.0	0.44	0.8
Carfentrazone-ethyl (AIM)	17	1.0	0.009	0.2
Cyanazine (Bladex, Extrazine)	6	1.1	0.90	5.8
Dimethenamid (Frontier)	1	1.0	1.21	1.6
Dimethenamid-P (Outlook)	38	1.0	0.66	23.0
Glyphosate (Ranger, Roundup)	14	1.1	0.41	5.9
Nicosulfuron (Accent, Basis Gold)	19	1.0	0.02	0.5
Pendimethalin (Prowl)	3	1.0	0.85	2.5
S-Metolachlor (Bicep, Dual)	27	1.0	1.13	29.6
Simazine (Princep)	3	1	0.95	2.9
Insecticides:				
Bifenthrin (Capture)	17	2.2	0.04	1.4
Lambda-cyhalothrin (Karate)	46	3.1	0.02	3.3
Permethrin (Ambush, Pounce)	15	1.3	0.13	2.5
Zeta-cypermethrin (Mustang, Fury)	28	1.7	0.05	2.1

1/Planted acres in 2002 for Wisconsin were 92,100 acres. Source: Wisconsin Agricultural Statistics Service.

Major Chemical Use on Sweet Corn for Fresh Market Wisconsin, 2002 1/

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000Lbs
Herbicides:				
Alachlor (Lasso)	11	1.0	2.12	1.9
Atrazine (AAtrex)	60	1.0	1.69	9.0
Bentazon (Basagran, Laddok)	10	1.0	0.29	0.2
Cyanazine (Blades, Extrazine)	23	1.0	1.01	2.0
Dimethenamid (Frontier)	22	1.0	1.05	1.9
Pendimethalin (Prowl)	5	1.0	0.26	0.1
S-Metolachlor (Bicep, Dual)	43	1.0	1.47	5.4
Insecticides:				
Bifenthrin (Capture)	5	1.4	0.06	2/
Chlorpyrifos (Lorsban)	2	1.4	1.08	0.2
Esfenvalerate (Asana)	3	2.9	0.03	2/
Lambda-cyhalothrin (Karate)	40	2.3	0.03	0.2
Permethrin (Ambush, Pounce)	32	2.6	0.18	1.3

1/Planted acres in 2002 for Wisconsin were 8,500 acres. 2/Total applied is less than 50 lbs. Source: Wisconsin Agricultural Statistics Service.

Major Chemical Use on Snap Beans for Processing Wisconsin, 2002 1/				
Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000Lbs
Herbicides:				
Bentazon (Basagran, Laddok)	9	1.0	0.14	1.1
EPTC (Eptam)	66	1.0	2.52	132.8
Glyphosate (Ranger, Roundup)	4	1.0	0.45	1.6
Pendimethalin (Prowl)	8	1.0	0.62	3.8
Quizalofop-P-ethyl (Assure)	2	1.0	0.06	0.1
S-Metolachlor (Bicep, Dual)	21	1.0	1.05	17.8
Sethoxydim (Poast)	7	1.0	0.14	0.8
Trifluralin (Treflan)	64	1.0	0.50	25.5
Insecticides:				
Acephate (Orthene)	32	1.1	0.80	23.7
Bifenthrin (Capture, Brigade)	66	2.0	0.03	3.7
Dimethoate (Cygon)	19	1.0	0.46	7.2
Zeta-cypermethrin (Mustang)	18	1.2	0.05	0.9
Fungicides:				
Benomyl (Benlate)	23	1.0	0.75	14.4
Copper hydroxide (Champ, Kocide)	16	1.3	0.60	10.6
Iprodione (Rovral)	3	1.2	1.00	3.4
Thiophanate-methyl (Topsin)	8	1.0	1.38	9.3

1/Planted acres in 2002 for Wisconsin were 79,800 acres.  
Source: Wisconsin Agricultural Statistics Service.

Major Chemical Use on Carrots Wisconsin, 2002 1/				
Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000Lbs
Herbicides:				
Fluazifop-P-butyl (Fusilade)	93	1.0	0.14	0.6
Linuron (Linex, Lorox)	97	2.9	0.50	6.7
Insecticides:				
Esfenvalerate (Asana)	97	5.4	0.03	0.8
Fungicides:				
Azoxystrobin (Quadris)	4	1.7	0.17	0.1

1/Planted acres in 2002 for Wisconsin were 4,800 acres.  
Source: Wisconsin Agricultural Statistics Service.

Major Chemical Use on Cabbage for Fresh Market Wisconsin, 2002 1/				
Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000Lbs
Herbicides:				
Trifluralin (Treflan)	10	1.0	0.56	0.2
Insecticides:				
Bt (Bacillus thur.) 2/ Lambda-cyhalothrin (Karate)	82	1.0	—	—
Spinosad (SpinTor, Success)	98	2.0	0.03	0.3
	88	2.3	0.05	0.5

1/Planted acres in 2002 for Wisconsin were 4,600 acres. 2/Rates and total applied are not available because amounts of active ingredient are not comparable between products. Source: Wisconsin Agricultural Statistics.

Major Chemical Use on Green Peas for Processing Wisconsin, 2002 1/				
Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000Lbs
Herbicides:				
Bentazon (Basagran, Laddok)	24	1.0	0.14	1.4
Glyphosate (Ranger, Roundup)	7	1.0	0.45	1.3
Imazamox (Raptor)	4	1.1	0.02	2/
Imazethapyr (Pursuit)	55	1.0	0.05	1.1
MCPB (Thistrol)	10	1.0	0.63	2.7
Pendimethalin (Prowl)	53	1.0	0.61	13.8
Sethoxydim (Poast)	4	1.0	0.16	0.3
Trifluralin (Treflan)	9	1.0	0.46	1.8
Insecticides:				
Dimethoate (Cygon)	11	1.0	0.17	0.7

1/Planted acres in 2002 for Wisconsin were 42,100 acres. 2/Total applied is less than 50 pounds. Source: Wisconsin Agricultural Statistics Service.

Major Chemical Use on Cucumbers Wisconsin, 2002 1/				
Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000Lbs
Herbicides:				
Ethalfuralin (Curbit, Sonalan)	64	1.0	0.93	3.4

1/Planted acres in 2002 for Wisconsin were 5,800 acres.  
Source: Wisconsin Agricultural Statistics Service.

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